



CIRCUIT-BREAKER SZ S00,
FOR TRANSFORMER PROTECTION,
WITH APPROBATION CIRCUIT-BREAKER UL 489. CSA
C22.2 NO.5-02. A-RELEASE 1.6 A,
N-RELEASE 33 A, SCREW CONNECTION,
STANDARD SW. CAPACITY

General technical data:

product brand name	SIRIUS
Product designation	3RV2 circuit breaker
Size of the circuit-breaker	S00
Number of poles / for main current circuit	3
Product function	
<ul style="list-style-type: none"> • short circuit protection • overload protection • phase disturbance recognition • plant protection • motor protection • motor protection with relais overload functionality • starter protection • transformer protection • disconnecter functionality • main control switches with supply disconnect function and EM-STOP switches 	<ul style="list-style-type: none"> Yes Yes No No No No No Yes Yes No
Design of the operating mechanism	selector switch
Product component	
<ul style="list-style-type: none"> • auxiliary switch • undervoltage release mechanism 	<ul style="list-style-type: none"> No No

• trip indicator		No
Product extension		
• auxiliary switch		Yes
• optional / motor drive		No
Insulation voltage / with degree of pollution 3 / rated value	V	690
Impulse voltage resistance / rated value	kV	6
Protection class IP		
• of the terminal		IP20
• on the front		IP20
Protection against electrical shock		finger-safe
Installation altitude / at a height over sea level / maximum	m	2,000
Relative humidity		
• during operating phase	%	10 ... 95
Ambient temperature		
• during transport	°C	-50 ... +80
• during storage	°C	-50 ... +80
• during operating	°C	-20 ... +60
Shock resistance / according to IEC 60068-2-27		25g / 11 ms
Active power loss / total / typical	W	6

Main circuit:

Operating voltage / rated value	V	690
Voltage type / for main circuit		AC/DC
Operating frequency		
• rated value	Hz	50 ... 60

Protective and monitoring functions:

Varification of suitability / ATEX		No
Design of the overload circuit breaker		thermal
Adjustable response current / of the current-dependent overload release	A	1.6 ... 1.6
Design of the short-circuit trip		magnetic
Operational short-circuit current breaking capacity (Ics) / with AC		
• at 240 V / rated value	kA	100
• at 400 V / rated value	kA	100
• at 500 V / rated value	kA	100
• at 690 V / rated value	kA	100
Breaking capacity maximum short-circuit current (Icu)		
• at 240 V / for AC / rated value	kA	100
• at 400 V / for AC / rated value	kA	100

<ul style="list-style-type: none"> • at 500 V / for AC / rated value • at 690 V / for AC / rated value 	kA	100
	kA	100
Design of fuse insert / for IT network / for short-circuit protection of the main circuit		
<ul style="list-style-type: none"> • at 500 V • at 690 V 		gL/gG 20 A gL/gG 16 A
Breaking capacity short-circuit current (I_{cn})		
<ul style="list-style-type: none"> • with 1 current path / at 150 V / for DC / rated value • with 2 current paths in series / at 300 V / for DC / rated value • with 3 current paths in series / at 450 V / for DC / rated value 	kA	10
	kA	10
	kA	10

Installation/ mounting/ dimensions:

Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
mounting position		any
Depth	mm	97
Height	mm	144
Width	mm	45













Connections/ terminals:

Arrangement of electrical connectors / for main current circuit		Top and bottom
Design of the electrical connection / for main current circuit		screw-type terminals
Type of the connectable conductor cross-section		
<ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> • solid or multi-stranded • finely stranded <ul style="list-style-type: none"> • with conductor end processing • for AWG conductors / for main contacts 		1 ... 10 mm ² , max. 2x 10 mm ² 1 ... 16 mm ² , max. 6 + 16 mm ² 2x 14

UL/CSA ratings:

Operating voltage / according to UL 60947 / rated value	V	600
Breaking capacity limit short-circuit current (I_{cu}) / at 480 AC Y/277 V / according to UL 489 / rated value	A	65,000

Certificates/ approvals:

General Product Approval			Declaration of Conformity	Test Certificates	
 CSA		 UL	 EG-Konf.	Special Test Certificate	Type Test Certificates/Test Report
Shipping Approval					
 ABS	 BUREAU VERITAS	 GL	 LRS	 PRS	 RINA
Shipping Approval	other				
 RMRS	Confirmation	 VDE	other	Environmental Confirmations	

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

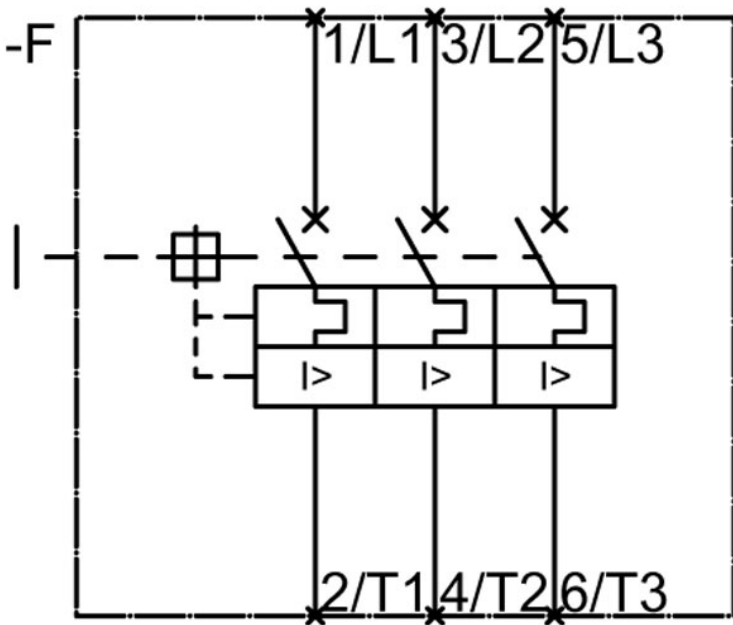
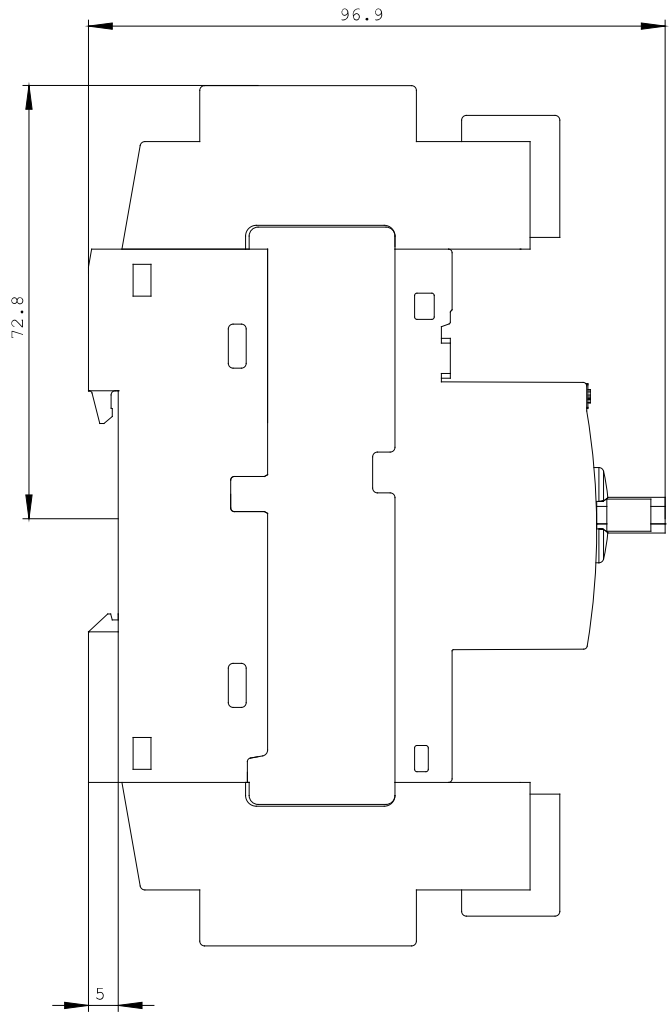
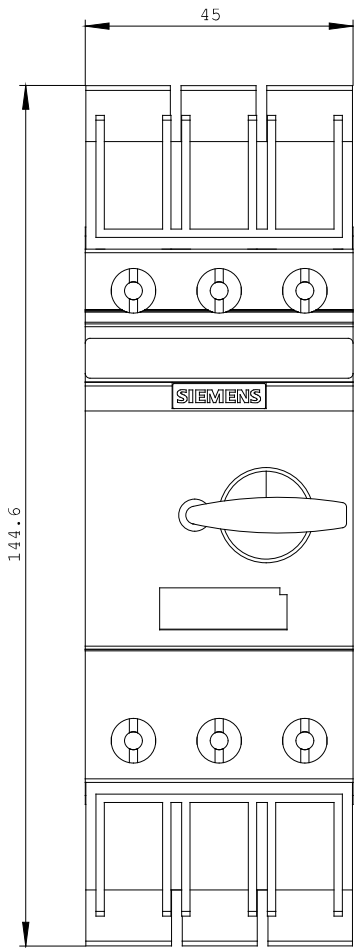
<http://www.siemens.com/cax>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RV2811-1AD10/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV2811-1AD10



last change:

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